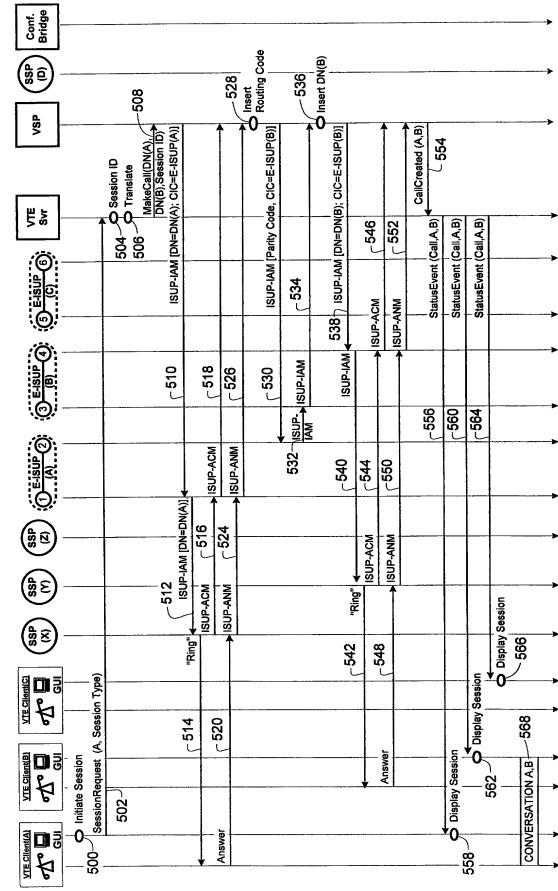


Send "Invite" Msg to VTE Server Invitation Obj Select Person **Participants** Session Messages Directory search Message Session Info to Invite Current Notes Invite Topic FIG. 24 436 ~ 430 424 426 428 432 434

FIG. 26 Set Up 2-Way Voice Communications Session



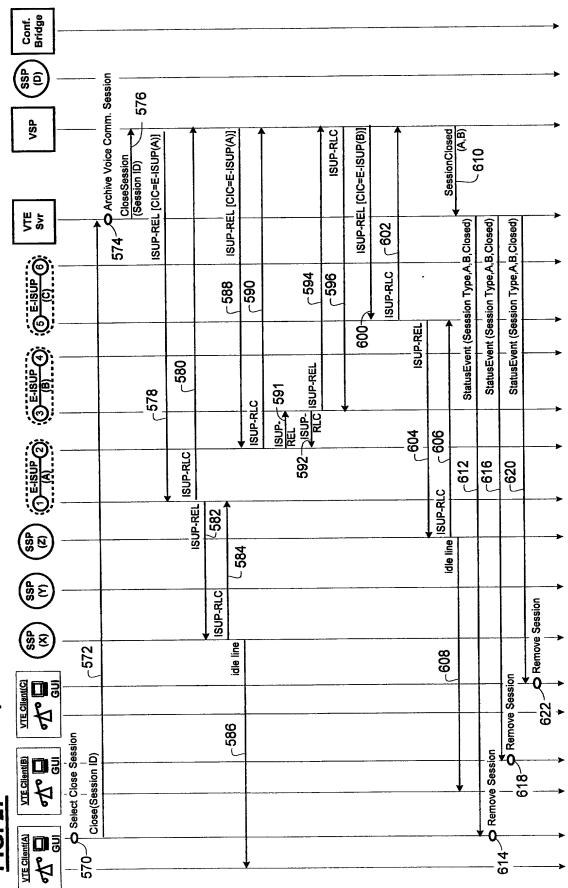


FIG. 27 Close 2-Way Voice Communications Session

Create Session Setup dss (a) AddLeg (C(DN), Session ID) 658 CHIII RELISUP-RIC VSP ISUP-REL [CIC=E-ISUP (A)] ISUP-IAM [DN=DN(CB); CIC=E-ISUP(A)] → Translate -635 VTE Svr ranslate Session ID Ở StatusEvent (C, "trying") StatusEvent (C, "trying") StatusEvent (C, "pending") Status Event (C, "pending") (631 Invitation (A, Topic Message, Meeting Notes, Participants, Session ID) **626**~ G E-ISUP (-659 **929** _652 653 662 099 SUP/ ISUP-REL **7**655 ISUP-RLC ISUP-IAM 654 ISUP 636 638 ر629 _627 625 SSP (Z) 634 S S AddParty (Session ID, C, Topic, Message, Meeting Notes) 632 O Accept Invitation 633 Join(Session ID) VTE Clientici O Display Message O Display Message VIE Client(B) O Display Message O Display Message Select Add Party 639 FIG. 28 VYE Cilond(A) 628 624~ 637

- 648

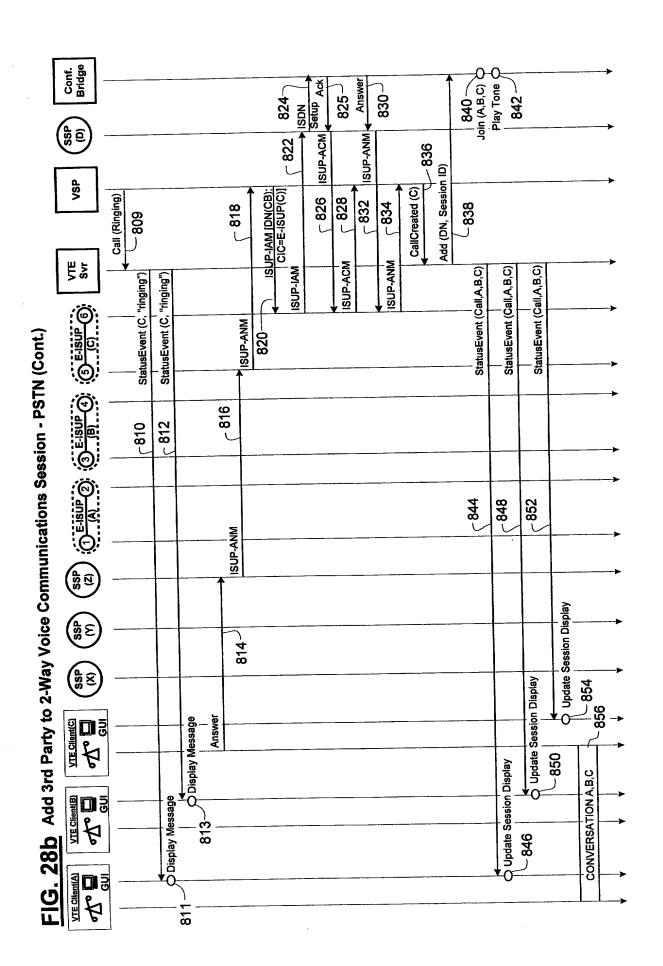
650

664

Add 3rd Party to 2-Way Voice Communications Session - PSTN

Conf. Bridge

069 Conf. Bridge Join (A,B) O Play Tone O 802 Play Message 6 Setup Ack Answer Answer **665** C 670 969 88 693 NOSI (S) ISUP-ANM SUP-ACM ★ ISUP-ANM ISUP-ACM Add (DN, Session ID) VSP CallCreated (B) ISUP-JAM [DN=DN(C); CIC=E-678 CallCreated (A) ISUP-IAM [DN=DN(CB); CIC=E-ISUP(B)] 808 692 ر 700 ر 706 -672 999 VTE Svr 704 804 (© E-ISUP (C) ISUP-ACM 702 **694 688 674** 999 Add 3rd Party to 2-Way Voice Communications Session - PSTN (Cont.) ISUP-IAM 989 ISUP-ANM ISUP-ACM ISUP-IAM 7807 ISUP-ACM ISUP-ANM (O E-ISUP (A) 805 ISUP-ACM (SSP) "Ring" (SSP) 806 (SS X VIE Clientic -803 VIE Client(B) CONVERSATION A,B **28a** VTE Cllent(A) 표 (연

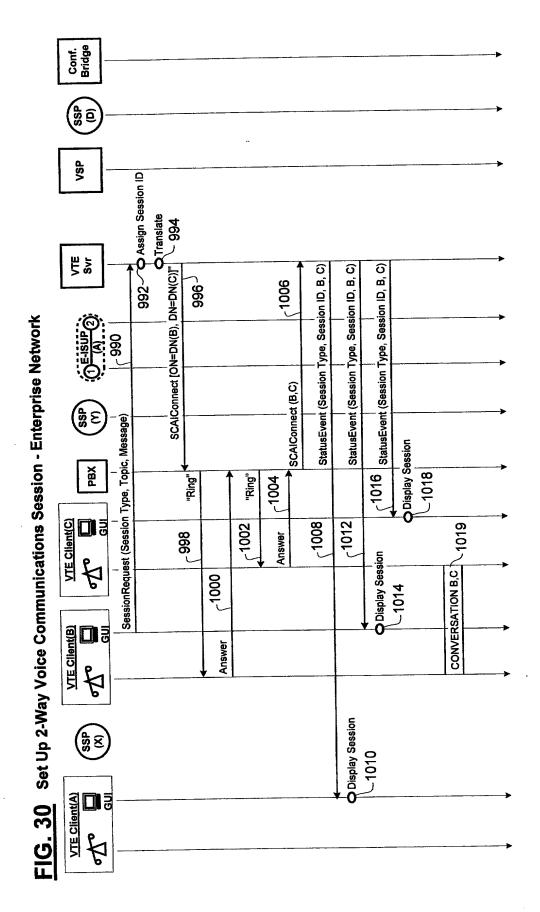


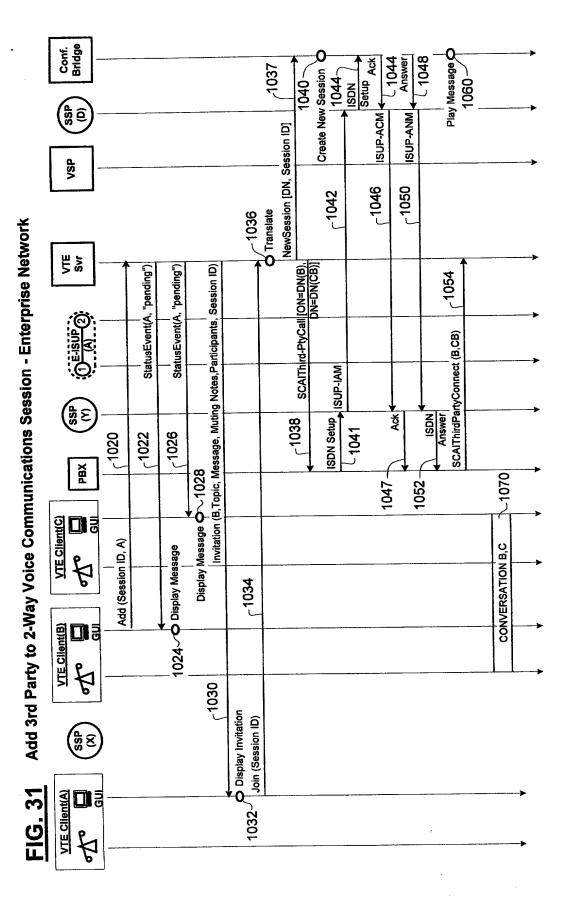
Conf. Bridge 948 922 Release Ą 946 Ack Release / 924 SSP (a) ISUP-RLC ISUP-RLC -904 Archive Comm. Session VSP CloseSession (Session ID) ISUP-REL [CIC=E-ISUP(B)] ISUP-REL [CIC=E-ISUP(B)] ISUP-REL [CIC=E-ISUP(A)] ISUP-REL [CIC=E-ISUP(A)] 942 930 VTE Svr GEISUP G 940 -920 918 -944 919 928 038 ISUP-RLC 916 ISUP-REL ISUP-RLC ISUP-REL 906 / 1 908 ISUP-RLC ISUP-REL -932 ISUP-RLC 934 ISUP-REL SSP (Z) ISUP-RLC -912 SSP S 910 ISUP-RLC idle line (SS X 006 idle line -936 VTE CIIONICO 914 Select Close Session VIE Client(B) Close(Session ID) VIE Client(A) -828

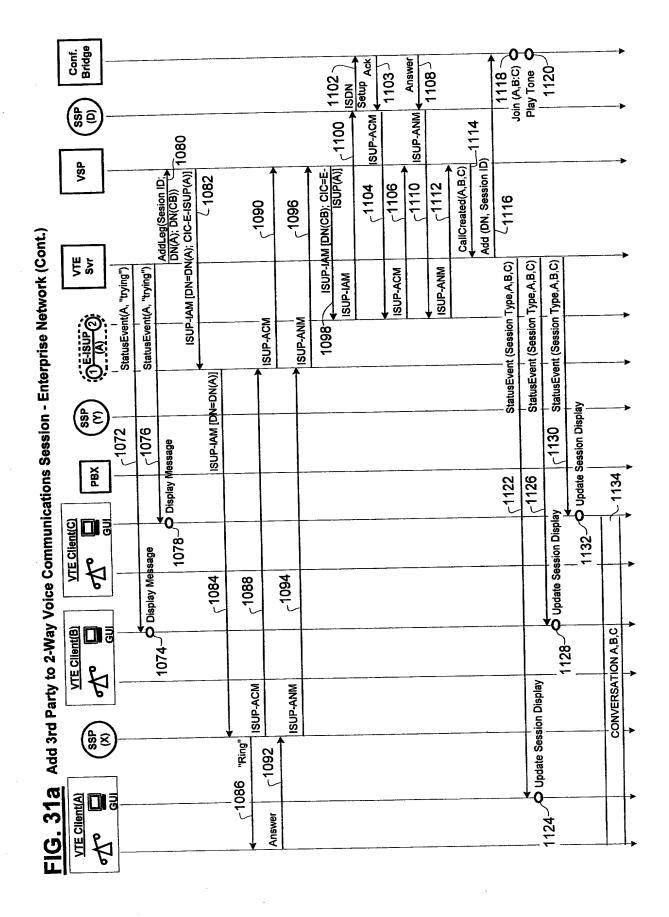
FIG. 29 Close 3-Way Voice Communications Session

Conf. Bridge 970 Release SS (C) ISUP-RLC **-996** -962 VSP SessionClosed (Session ID) ISUP-REL [CIC≠E-ISUP(C)] ISUP-REL [CIC=E-ISUP(C)] -964 963 952 Svr Svr ISUP-RLC ISUP-REL Status Event (Session Type, Session ID, Closed) StatusEvent (Session Type, Session ID, Closed) StatusEvent (Session Type, Session ID, Closed) 960 ISUP-RLC 950) ISUP-REL -954 926 ISUP-RLC SSP (Z) idle line 976 980 984 SSP Remove Session SS X 958 Remove Session VE Clientic) -982 Remove Session VIE CILEMEB **678** VIE Cilentida A GUI

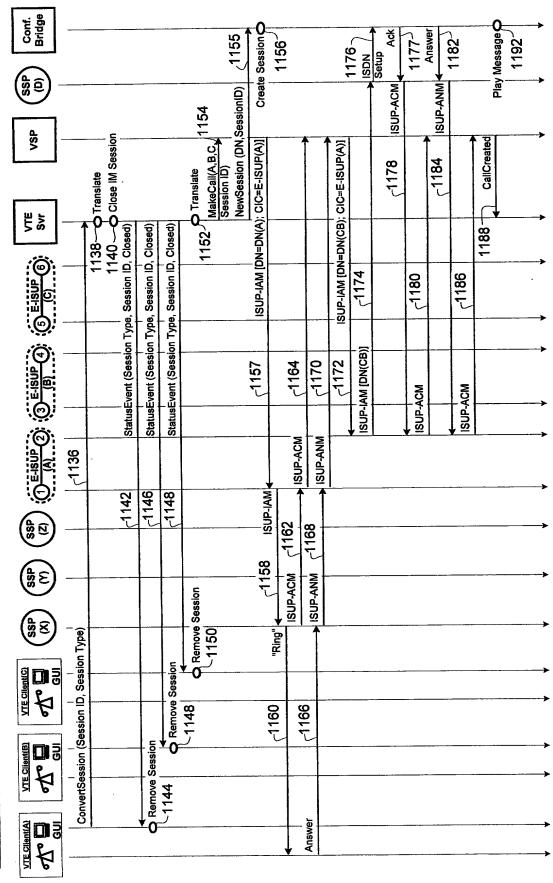
FIG. 29a Close 3-Way Voice Communications Session (Cont.)







32 Convert 3-Way IM Session to 3-Way Voice Communications Session



Conf. Bridge 1230 Join A,B Play Tone 1214 ISDN Setup Ack Answer 1215 1220 1232 -1228 ISUP-ACM SSP (G) ISUP-ANM Add (DN, SessionID) VSP CallCreated (B, CB) ISUP-IAM [DN=DN(B); CIC=E-ISUP(B)] ISUP-IAM [DN=DN(CB); CIC=EISUP(B)] C1222 1216 1194 Sv. 1202 1208 1226-(<u>O E-ISUP</u> (<u>O)</u>; (<u>O E-ISUP</u> (<u>O)</u>; -1218 -1224 ISUP-IAM [DN(CB)] (1212 Convert 3-Way IM Session to 3-Way Voice Communications Session (Cont.) ISUP-ACM ISUP-ANM ISUP-IAM ISUP-ACM ISUP-ACM 1210 **1200** ر1196 -1206 SSP (Z) ISUP-ANM ISUP-ACM S S "Ring" SS X 1198 ~1204 VIE Clientici **~1234** VTE CILEMATED Answer CONVERSATION A,B 32a VTE Client(A) FIG.

Conf. Bridge 1274 Join A,B Play Tone Answer Ąç 1276 1257 1262 NOSI SS (a) ISUP-ANM 1272₇ ISUP-ACM 1254₇ VSP CaliCreated (A,B,C) ISUP-IAM [DN(CB); CIC=E-ISUP(C)] ISUP-IAM [DN=DN(C);CIC=E-ISUP(C)] 1258₇ 1260₇ **1244**7 1250₇ 1268₇ 1264₇ 1236 왕 ISUP-ACM ISUP-ANM ISUP-IAM 1270 -StatusEvent (Call, A, B, C) StatusEvent (Call, A.B.C) StatusEvent (Call, A, B, C) G E-ISUP (G) 1252 ISUP-ACM ISUP-ANM FIG. 32b Convert 3-Way IM Session to 3-Way Voice Communications Session (Cont.) ISUP-IAM ر1248 C1242 (O E-ISUP (D) ر1238 1278₇ 1286₇ 1282₇ ISUP-ACM ISUP-ANM SSP (Z) "Ring" (gg E ر1240 1246 O Display Session SS X 1290 O Display Session VTE Clientici Answer CONVERSATION A,B,C O Display Session VIE Client(B) VTE Client(A)
GUI

Conf. Bridge SSP (0) -1308 VSP 1296 Assign Session ID MakeCall(DN(A), DN(B), Session ID) 1306~ C Translate 1298 CTranslate VTE Notification (B, Participant, B's IP Address, Session ID) Notification (A. Participant, A's IP Address, Session ID) StatusEvent (A, B, Session Type) Invitation (A, Session Type, Topic, Message, Session ID) (GE-ISUP (G) -1310 O E-ISUP (A) SEE STEPS 510 - 554 OF FIG. 26 (O E-ISUP (O) 1294 SSP) ر1312 ₇1316 ر1320 ر1300 1304 SS S SessionRequest (B, Session Type, Topic, Message) O Display Session SS X Acceptinvitation (Session ID) O Build MM Window O Display Invitation VTE CIONTICO O Display Session 1332 1326 VIE Clienté O Display Session Initiate Session 1302-MULTI-MEDIA SESSION A,B Data Transfer IPSet-up O Build MM Window 1292 VTE Client(A) 1328 1324 1314-

FIG. 33 Set-up 2-way Multi-Media Session

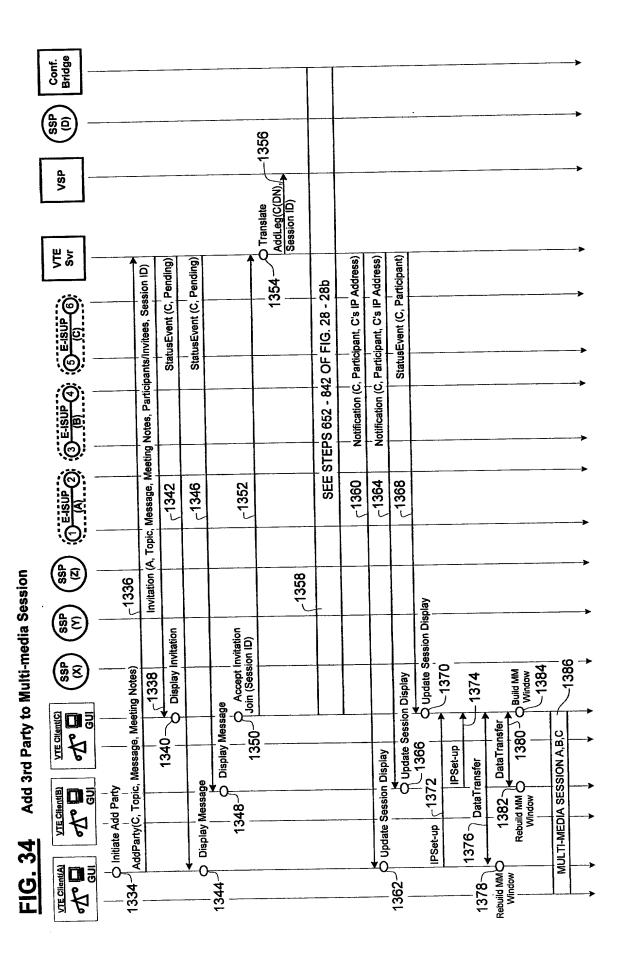
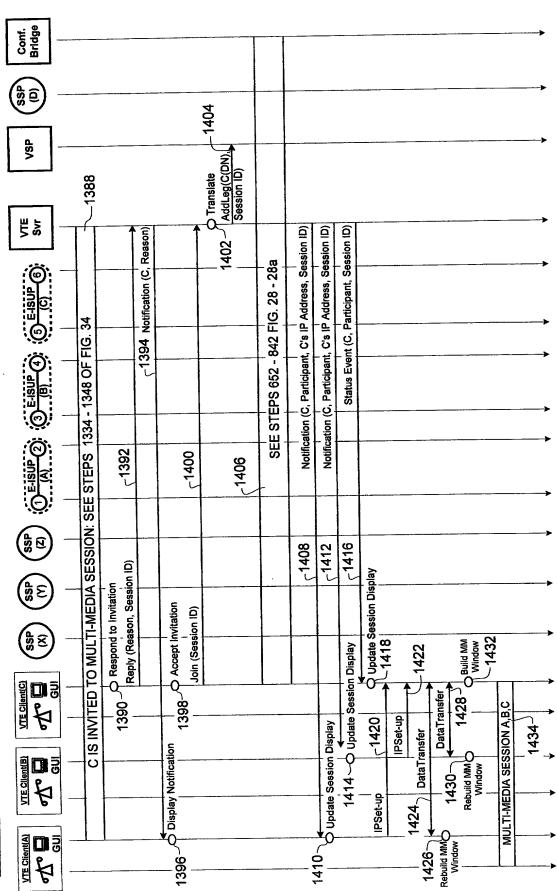
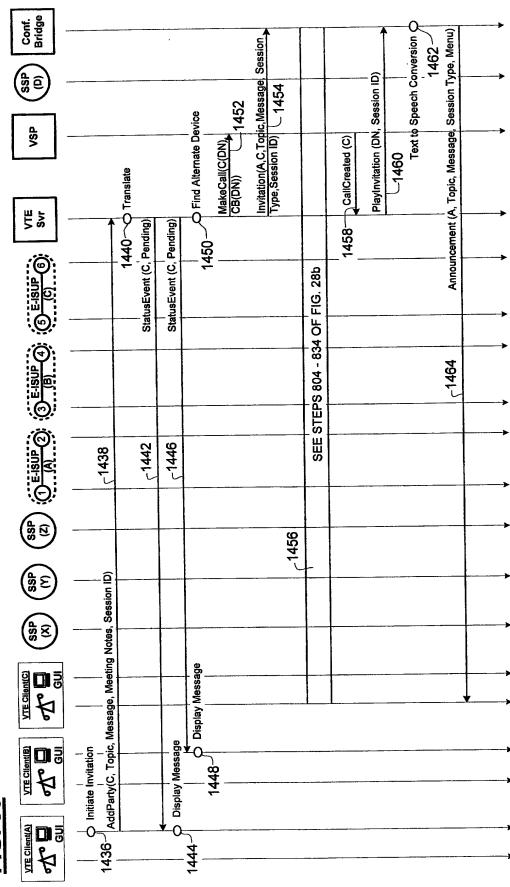


FIG. 35 Add 3rd Party to Multi-media Session (Deferred Acceptance)



Add 3rd Party to Multi-media Session (3rd Party Not Logged to VTE) FIG. 36



Conf. Bridge Accept (Session ID) LogonInstruction SSP (D) VSP CallCreated (A,B,C) 1472₇ VIE Svr SessionInfo. (Topic, Meeting Notes, Participants/Invitees, Session ID Notification (C, Participant, C's IP Address) Notification (C, Participant, C's IP Address) StatusEvent (C, Participant, Session ID) 1476-(O E-ISUP (C) (C) SEE STEPS 652 - 842 OF FIG. 28 - 28b Add 3rd Party to Multi-media Session (3rd Party Not Logged on to VTE) (Cont.) 1494 (O E-ISUP (Q) C1478 ر1480 ر1470 1468 1484 SSP (Z) 1474 Login (User Name, Password) 1490 O Update Session Display **Build Session Window** SSP S gg 🛠 71492 Build MM Window 1510 -15121486 Display 1500 VIE Clientic Accept DataTransfer 1506 MULTI-MEDIA SESSION A.B.C 1496 1498 PSet-up O Update Session Display DataTransfer Rebuild MM Window 1508 VIE Cilente FIG. 36a PSet-up Rebuild MIMO VTE Client(A)
GUI 1482 1502 1504